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Substitute for form 1449A/PTO		<b>Complete if Known</b> JAN 20 2004 <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)			
				Application Number	10/608,766
				Filing Date	June 26, 2003
				First Named Inventor	Eran Steinberg
				Art Unit	2621
		Examiner Name			
Sheet	1	of	4		
Attorney Docket Number 2100874791270					

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/MS/		JP 5-260360 (includes English Abstract)	10-08-1993	Shinichi		
/MS/		EP 1 128 316 A1	08-29-2001	Ray		
/MS/		GB 2 370 438 A	06-26-2002	Cheatle		
/MS/		WO 02/052835 A2	07-04-2002	Cheatle		

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Application Number	10/608,766
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Attorney Docket Number 2100874-991270

## NON PATENT LITERATURE DOCUMENTS

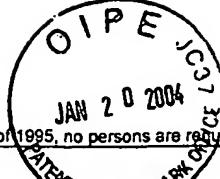
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/MS/		P. VUYLSTEKE, et al., Range Image Acquisition with a Single Binary-Encoded Light Pattern, IEEE Transactions on Pattern Analysis and Machine Intelligence, abstract printed from <a href="http://csdl.computer.org/comp/trans/tp/1990/02/0148abs.htm">http://csdl.computer.org/comp/trans/tp/1990/02/0148abs.htm</a> , 1990, 1 page	
/MS/		D. SHOCK, et al., Comparison of Rural Remote Site Production of Digital Images Employing a Film Digitizer or a Computed Radiography (CR) System, 4th International Conference on Image Management and Communication (IMAC '95), August 21-24, 1995, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/imac/1995/7560/00/75600071abs.htm">http://csdl.computer.org/comp/proceedings/imac/1995/7560/00/75600071abs.htm</a>	
/MS/		J.W. SUBLETT, et al., Design and Implementation of a Digital Teleultrasound System for Real-Time Remote Diagnosis, Eight Annual IEEE Symposium on Computer-Based Medical Systems (CBMS '95) in June 9-10, 1995, Lubbock, Texas, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/cbms/1995/7117/00/71170292abs.htm">http://csdl.computer.org/comp/proceedings/cbms/1995/7117/00/71170292abs.htm</a>	
/MS/		SING BING KANG, et al., A Multibaseline Stereo System with Active Illumination and Real-Time Image Acquisition, Fifth International Conference on Computer Vision, June 20-23, 1995, Massachusetts Institute of Technology, Cambridge, Massachusetts, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/iccv/1995/7042/00/70420088abs.htm">http://csdl.computer.org/comp/proceedings/iccv/1995/7042/00/70420088abs.htm</a>	
/MS/		M. SHAND, Flexible Image Acquisition Using Reconfigurable Hardware, IEEE Symposium of FPGA's for Custom Computing Machines (FCCM '95), April 19-21, 1995, Napa Valley, California, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/fccm/1995/7086/00/70860125abs.htm">http://csdl.computer.org/comp/proceedings/fccm/1995/7086/00/70860125abs.htm</a>	
/MS/		DAECHUL PARK, et al., Lenticular Stereoscopic Imaging and Displaying Techniques with no Special Glasses, 1995 International Conference on Image Processing (Vol. 3)-Volume 3, October 23-26, 1995, Washington, D.C., Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/cip/1995/7310/03/73103137abs.htm">http://csdl.computer.org/comp/proceedings/cip/1995/7310/03/73103137abs.htm</a>	
/MS/		H.H. GARNAOUI, et al., Visual Masking and the Design of Magnetic Resonance Image Acquisition, 1995 International Conference on Image Processing (Vol. 1)-Volume 1, October 23-26, 1995, Washington, D.C., Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/cip/1995/7310/01/73100625abs.htm">http://csdl.computer.org/comp/proceedings/cip/1995/7310/01/73100625abs.htm</a>	
/MS/		JOHN DALTON, Digital Cameras and Electronic Color Image Acquisition, COMPCON Spring '96 - 41st IEEE International Conference, February 25-28, 1996, San Jose, California, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/compcon/1996/7414/00/74140431abs.htm">http://csdl.computer.org/comp/proceedings/compcon/1996/7414/00/74140431abs.htm</a>	
/MS/		ARUN KRISHMAN, Panoramic Image Acquisition, 1996 Conference on Computer Vision and Pattern Recognition (CVPR '96), June 18-20, 1996, San Francisco, CA, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/cvpr/1996/7258/00/72580379abs.htm">http://csdl.computer.org/comp/proceedings/cvpr/1996/7258/00/72580379abs.htm</a>	
/MS/		TONY S. JEBARA, 3D Pose Estimation and Normalization for Face Recognition, Department of Electrical Engineering, McGill University, A Thesis submitted to the Faculty of Graduate Studies and Research in Partial fulfilment of the requirements of the degree of Bachelor of Engineering, May 1996, pp. 1-121.	

Examiner Signature	/Manav Seth/	Date Considered	04/10/2007
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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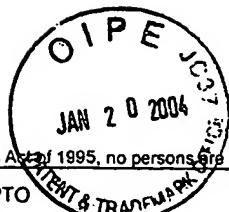
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/MS/		DAVID BEYMER, Pose-Invariant Face Recognition Using Real and Virtual Views, Massachusetts Institute of Technology Artificial Intelligence Laboratory, A.I. Technical Report No. 1574, March 1996, pp. 1-176.	
/MS/		WEN-CHEN HU, et al., A Line String Image Representation for Image Storage and Retrieval, 1997 International Conference on Multimedia Computing and Systems (ICMCS '97), June 3-6, 1997, Ottawa, Ontario, Canada, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/icmcs/1997/7819/00/78190434abs.htm">http://csdl.computer.org/comp/proceedings/icmcs/1997/7819/00/78190434abs.htm</a>	
/MS/		YUAN Y. TANG, et al., Information Acquisition and Storage of Forms in Document Processing, 4th International Conference Document Analysis and Recognition (ICDAR '97) Volume 1 and Volume II, August 18 – 20, 1997, Ulm, Germany, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/icdar/1997/7789/00/77890170abs.htm">http://csdl.computer.org/comp/proceedings/icdar/1997/7789/00/77890170abs.htm</a>	
/MS/		J.-A. BERALDIN, et al., Object Model Creation from Multiple Range Images: Acquisition, Calibration, Model Building and Verification, International Conference on Recent Advances in 3-D Digital Imaging and Modeling, May 12-15, 1997, Ottawa, Ontario, Canada, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/rnc/1997/7943/00/79430326abs.htm">http://csdl.computer.org/comp/proceedings/rnc/1997/7943/00/79430326abs.htm</a>	
/MS/		JUN ZHANG, et al., Face Recognition: Eigenface, Elastic, Matching, and Neural Nets, Proceedings of the IEEE, September 1997, pp. 1423-1435, Vol. 85, No. 9.	
/MS/		HIROYUKI AOKI, et al., An Image Storage System Using Complex-Valued Associative Memories, International Conference on Pattern Recognition (ICPR '00)-Volume 2, September 3-8, 2000, Barcelona, Spain, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/icpr/2000/0750/02/07502626abs.htm">http://csdl.computer.org/comp/proceedings/icpr/2000/0750/02/07502626abs.htm</a>	
/MS/		DANIJEL SKOCAJ, Range Image Acquisition of Objects with Non-Uniform Albedo Using Structured Light Range Sensor, International Conference on Pattern Recognition (ICPR '00)-Volume 1, September 3-8, 2000, Barcelona, Spain, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/icpr/2000/0750/01/07501778abs.htm">http://csdl.computer.org/comp/proceedings/icpr/2000/0750/01/07501778abs.htm</a>	
/MS/		REINHOLD HUBER, et al., Adaptive Aperture Control for Image Acquisition, Sixth IEEE Workshop on Applications of Computer Vision, December 3-4, 2002, Orlando Florida, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/wacv/2002/1858/00/18580320abs.htm">http://csdl.computer.org/comp/proceedings/wacv/2002/1858/00/18580320abs.htm</a>	
/MS/		MICHAL KOZUBEK, et al., Automated Multi-view 3D Image Acquisition in Human Genome Research, 1st International Symposium on 3D Data Processing Visualization and Transmission (3DPVT '02), June 19-21, 2002, Padova, Italy, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/3dpvt/2002/1521/00/15210091abs.htm">http://csdl.computer.org/comp/proceedings/3dpvt/2002/1521/00/15210091abs.htm</a>	
/MS/		NOBUYUKI KITA, et al., Archiving Technology for Plant Inspection Images Captured by Mobile Active Cameras – 4D Visible Memory – 1st International Symposium on 3D Data Processing Visualization and Transmission (3DPVT '02), June 19-21, 2002, Padova, Italy, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/3dpvt/2002/1521/00/15210208abs.htm">http://csdl.computer.org/comp/proceedings/3dpvt/2002/1521/00/15210208abs.htm</a>	

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/MS/		ANNA T. FERNANDEZ, et al., Synthetic Elevation Beamforming and Image Acquisition Capabilities Using an 8x 128 1.75D Array, The Technical Institute of Electrical and Electronics Engineers, Abstract printed from <a href="http://www.ieee-uffc.org/archive/uffc/trans/toc/abs/03/I0310040.htm">http://www.ieee-uffc.org/archive/uffc/trans/toc/abs/03/I0310040.htm</a>	
/MS/		HENRY A. ROWLEY, et al., Neutral Network-Based Face Detection, IEEE Transactions on Pattern Analysis and Machine Intelligence, January 1998, pp. 23-38, Vol. 20, No. 1.	
/MS/		MATHEW GAUBATZ, et al., Automatic Red-Eye Detection and Correction, IEEE ICIP, 2002, pages I-804 – I-807.	
/MS/		MING-HSUAN YANG, et al., Detecting Faces in Images: A Survey, IEEE Transactions on Pattern Analysis and Machine Intelligence, January 2002, pp. 34-58, Vol. 24, No. 1.	
/MS/		KRESIMIR MATKOVIC, et al., The 3D Wunderkammer an Indexing by Placing Approach to the Image Storage and Retrieval, Theory and Practice of Computer Graphics 2003, June 3-5, 2003, University of Birmingham, UK, Abstract printed from <a href="http://csdl.computer.org/comp/proceedings/tpcg/2003/1942/00/19420034abs.htm">http://csdl.computer.org/comp/proceedings/tpcg/2003/1942/00/19420034abs.htm</a>	
/MS/		Twins Crack Face Recognition Puzzle, Internet article <a href="http://www.cnn.com/2003/TECH/ptech/03/10/israel.twins.reut/index.html">http://www.cnn.com/2003/TECH/ptech/03/10/israel.twins.reut/index.html</a> , printed March 10, 2003, 3 pages.	

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